

**Amendments To The Claims:**

**1-28. (Cancelled)**

29. **(Currently Amended)** A stretchable stent, comprising:

a coiled-up sheet having overlapping inner and outer longitudinal sections extending generally parallel to a longitudinal axis thereof, the coiled-up sheet being expandable between a contracted condition and one or more enlarged conditions, the coiled-up sheet defining a periphery in a plane substantially perpendicular to a longitudinal axis thereof;

a plurality of locking elements extending from the inner longitudinal section for engaging openings in the outer longitudinal section to selectively secure the coiled-up sheet in the one or more enlarged conditions; and

a plurality of stretchable elements formed in the coiled-up sheet, ~~the plurality of stretchable elements defining a plurality of first cells, the plurality of first cells forming a plurality of circumferential bands of first cells~~, the stretchable elements having a shape memory such that the stretchable elements are plastically deformable towards an unstretched condition at a temperature at or below about 25 degrees Celsius, and biased to expand about the periphery from the unstretched condition towards a stretched condition when exposed to a temperature at or above body temperature;

~~a plurality of second cells, each of the plurality of second cells extending between adjacent circumferential bands of first cells, each of the plurality of second cells having a configuration different than the configuration of each of the plurality of first cells;~~

a plurality of peripheral connector elements;

wherein each stretchable element comprises a pair of peripherally expandable wing-like elements extending generally parallel to the longitudinal axis, ~~each pair of peripherally expandable wing-like elements comprising a first longitudinal element and a second longitudinal element, each longitudinal element being curvilinear and having at least three turns between a first end and a second end of the longitudinal element, the first end being engaged to a peripheral connector element and the second end being engaged to a looped end, the looped end engaging the first and second longitudinal elements and connected to a longitudinally adjacent wing-like element at a looped end thereof.~~

30. **(Previously Presented)** The stretchable stent of claim 29, wherein circumferentially adjacent stretchable elements being connected at a point intermediate the pair of wing-like elements by a peripheral connector element.

Claims 31-54. **(Cancelled)**

55. **(Previously Presented)** A stretchable stent, comprising:  
a coiled-up sheet having overlapping inner and outer longitudinal sections extending generally parallel to a longitudinal axis thereof, and defining a periphery, the coiled-up sheet being unrollable between a contracted condition and one or more enlarged conditions; and  
a plurality of stretchable [[first]] cells formed in the coiled-up sheet, ~~the plurality of stretchable first cells forming a plurality of circumferential bands, each circumferential band of first cells having a circumferential axis bisecting each first cell in the circumferential band in half, each stretchable [[first]] cell comprising being defined by a pair of peripherally expandable wing-like elements extending generally parallel to the longitudinal axis, each of said wing-like elements comprising first and second members that are curvilinear and have at least three turns having undulations between a looped end thereof and a peripheral connector element joining circumferentially adjacent stretchable cells, longitudinally adjacent stretchable cells being engaged at their looped ends, the circumferential axis of each circumferential band of first cells bisecting the peripheral connector elements, the wing-like elements being expandable about the periphery between an unstretched condition to facilitate placement in a delivery device in the contracted condition and a stretched condition to facilitate expansion of the coiled-up sheet to the one or more enlarged conditions upon deployment from the delivery device,;~~

~~a plurality of second cells, the plurality of second cells forming a plurality of circumferential bands, each circumferential band of second cells having a circumferential axis bisecting each second cell in the circumferential band in half, the circumferential axis of the second cells bisecting the engaged looped ends of longitudinally adjacent stretchable cells.~~

56. **(Previously Presented)** The stretchable stent of claim 55, further comprising a plurality of locking elements extending from the inner longitudinal section for engaging

openings in the outer longitudinal section to selectively secure the coiled-up sheet in the one or more enlarged conditions.

57-58. (Cancelled)

59. (Currently Amended) An expandable stent, the expandable stent having an unexpanded state and an expanded state, the stent comprising:

a coiled-up sheet having overlapping inner and outer longitudinal sections extending generally parallel to a longitudinal axis thereof, the coiled-up sheet being expandable between a contracted condition and one or more enlarged conditions, the coiled-up sheet defining a periphery in a plane substantially perpendicular to a longitudinal axis thereof; and

a plurality of stretchable elements formed in the coiled-up sheet, the plurality of stretchable elements defining a plurality of first cells, each of the plurality of first cells having a first area when the stent is in an unstretched condition configuration, wherein each stretchable element comprises a pair of peripherally expandable wing-like elements extending generally parallel to the longitudinal axis, each of said wing-like elements comprising first and second members that are curvilinear and have at least three turns having undulations and being connected to a longitudinally adjacent wing-like element at a looped end thereof, and wherein the stretchable elements have a shape memory such that the stretchable elements are plastically deformable towards [[an]] the unstretched condition at a first temperature, and biased to expand about the periphery from the unstretched condition towards a stretched condition when exposed to a temperature at or above a second temperature;

a plurality of second cells, each second cell being defined by four wing-like elements, each of the four wing-like elements forming a portion of four different stretchable elements, each of the plurality of second cells having a second area when the stent is in the unstretched condition configuration, the second area being greater configuration different than the first area configuration.

60. (Previously Presented) The expandable stent of claim 59, further comprising:

a plurality of locking elements extending from the inner longitudinal section for engaging

openings in the outer longitudinal section to selectively secure the coiled-up sheet in the one or more enlarged conditions.

**61. (Cancelled)**

**62. (Previously Presented)** The expandable stent of claim 59, wherein said first temperature is at or below about 25 degrees Celsius, and said second temperature is body temperature.

**63. (New)** The stretchable stent of claim 29, wherein the turns of the first longitudinal element and the turns of the second longitudinal element are circumferentially aligned.

**64. (New)** The stretchable stent of claim 29, the stretchable stent having an unexpanded state and an expanded state, each longitudinal element being curvilinear and having at least three turns between the first end and the second end of the longitudinal element when the stent is in the unexpanded state and when the stent is in an expanded state.

**65. (New)** The stretchable stent of claim 29, the plurality of stretchable elements comprising a first stretchable element and a second stretchable element, the first and second stretchable elements defining a first cell, the first and second stretchable elements each being engaged to a first peripheral connector element and to a second peripheral connector element.

**66. (New)** The stretchable stent of claim 65, the plurality of stretchable elements further comprising a third stretchable element, a fourth stretchable element, and a fifth stretchable element, the first and third stretchable elements being engaged to the second peripheral connector element, the fourth and fifth stretchable elements being engaged to a third peripheral connector element, a portion of each of the first, third, fourth and fifth stretchable elements defining a second cell, the first cell having a first area and the second cell having a second area, the first area less than the second area.